# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| | done on manned hours within the Controller's discretion.<br>4. Notify the appropriate field personnel so they may take appropriate measures (e.g. check product gravity) if the alarm is an unexpected occurrence (product spike, contamination).<br>5. Document in Logmate. Identify if the alarm is due to a malfunction. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| **INVALID BATCH CODE OR PRODUCT / API / DEN / MISMATCH** | **ACTIVE** |
| **Indicates** | Indicates possible wrong batch or a new batch code was entered that does not match a code that the PLC recognizes. |
| **Response** | 1. Notify Field Personnel. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| **INVALID LINE UP** | **ACTIVE** |
| **Indicates** | The valve status readings are not as expected for the requested lineup. The Unit PLC generates this alarm. |
| **Response** | 1. Verify and correct the lineup.<br>2. Notify appropriate field personnel to investigate cause of alarm if operation cannot be completed. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| **INVALID SEQUENCE** | **ACTIVE** |
| **Indicates** | The sequence of valve status readings were not as expected for the requested operation. The Unit PLC generates this alarm. |
| **Response** | 1. Verify and correct the lineup.<br>2. Notify field personnel to investigate cause of alert if operation cannot be completed. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| **LEAK DETECTION CABLE**<br>**LONGHORN PIPELINE ALARM / EDWARD'S AQUIFER – AUSTIN, TX ONLY** | **FAULT** |
| **Indicates** | A problem with one or more sections of the leak detection cable. |
| **Response** | 1. Dispatch the appropriate personnel to the site to investigate. If the field operator can arrive on site within an hour of being called and there are no other emergency alarms activated (automated leak detection, manual leak detection, 3rd party reports, etc…) the line does not have to be shut down.<br>2. If field personnel cannot get to the site to investigate within the time allotted above (and with the conditions outlined) initiate a Code Red shutdown immediately.<br>3. Isolate the Edwards Aquifer by closing the East and West MLBV's.<br>4. Follow the Code Red Procedure if confirmed leak. |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| | 5. If a false alarm verified by the field, then line may be restarted.<br>6. Document in Logmate as an AOC. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| **Description** | **Condition** |
| LEAKWARN | LOW |
| **Indicates** | System indication of line integrity anomaly, requiring investigation. |
| **Response** | **Note:** If alarming on a super sector, analyze to determine affected location/line segment/sector and apply the balance of the steps to that segment/sector only. If unable to determine segment/sector, apply balance of steps to all segments/sectors of super sector.<br><br>1. Investigate line integrity via signature plots, trends and event records.<br>**Note**: Proceed thru the following steps until line integrity is within tolerance.<br>a) Analyze possibility of a release. If release suspected, proceed to Emergency Code Red Investigation Procedure.<br>b) Prove meters if possible, if analysis indicates this is a likely cause of the imbalance.<br>c) Isolate the pump and/or receive tanks and perform manual line balance with tank gauges.<br>**Note**: Shutdown line if proving capabilities or tank gauges not made available within two hours of initial documented request.<br>2. Request field troubleshoot measurement system if imbalance does not improve.<br>3. If not able to resolve cause of alarm, pressure-test line for minimum 30 minutes and restart with Supervisor approval. |

Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3

| **Description** | **Condition** |
|---|---|
| LOCATION/TANK NUMBER | COMMFAIL |
| CONSOLES 1 THROUGH 4 | |
| **Indicates** | Indicates the tank is not responding to the PLC or TAS. |
| **Response** | 1. Immediately call the location or the on-call personnel to verify the alert.<br>2. Verify if the tank in question is isolated from any operations until the field can investigate the malfunctioning gauge.<br>3. If the tank cannot be isolated from all operations, perform Normal Shutdown per 9.02-ADM-002 Startup and Shutdown.<br>4. All operations connected with the tank must be left down until field operations can verify the problem.<br>5. Document in Logmate. |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **LO / NO FLOW SHUTDOWN** | **SHUTDOWN** |
| **Indicates** | Indication that the flow has reached a point where the station or individual units shutdown. Low Flow Shutdowns do not lock the unit or station out. When the hydraulic situation is corrected, the station or unit can be restarted. Controller response will be guided by procedures and training. |
| **Response** | 1. Notify Field Personnel.<br>2. Adjust Pipeline Hydraulics. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **LO SUCTION PSI SHUTDOWN** | **SHUTDOWN** |
| **Indicates** | Indication that the suction pressure has reached a point where the station or individual units shutdown. Low Suction Pressure Shutdowns do not lock the unit or station out. When the pressure situation is corrected, the station or unit can be restarted. Controller response will be guided by procedures and training. |
| **Response** | 1. Notify Field Personnel.<br>2. Adjust Pipeline Hydraulics. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **LOW NITROGEN<br>LOW AIR PRESSURE** | **LOW** |
| **Indicates** | The nitrogen or air supply for the pilot operator on the low-pressure-manifold or mainline-surge relief systems or other device is low. |
| **Response** | 1. Notify field location immediately if line is active.<br>2. If the line is not active notification can be made during manned hours of operation, but the line may not be restarted until the condition has been corrected. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **LOW RTU DC** | **LOW** |
| **RTU POWER FAIL** | **ACTIVE** |
| **Indicates** | An RTU has lost AC power so the battery is no longer recharging itself. If RTU Power Fail continues, a RTU Low DC alarm should follow and the RTU will eventually go down and all data should be suspect. |
| **Response** | 1. Notify person on call or the location during manned hours.<br>2. Shutdown the units at the location using a Investigation Event shutdown after receiving the Low RTU DC Alarm.<br>3. Work with location personnel to determine operations that are possible under the existing circumstances. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| **Description** | **Condition** |
| CONDUCTIVITY ADDITIVE | ACTIVE |
| CORROSION ADDITIVE | ACTIVE |
| LUBRICITY INJECTION | ACTIVE |
| **Indicates** | The automated lubricity/conductivity/corrosive additive pump has shut down. |
| **Response** | 1. Notify the on-call field operator to go out and turn the pump back on.<br>2. If the on-call operator is unable to be reached or get to the location within a short amount of time, the line must be shut down until such time that the pump can be turned back on.<br>3. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| MAINLINE FILTER<br>LONGHORN PIPELINE ONLY | ACTIVE |
| **Indicates** | There is a differential pressure of at least 15 psi through the filter. The filter is full when the differential pressure reaches 30 psi. |
| **Response** | 1. Immediately notify the technician on call.<br>2. Watch the line with increased awareness if the line is running, until the technician arrives at the station.<br>3. Perform an Investigation Event Shutdown per 9.02-ADM-002 Startup and Shutdown if this alarm is received along with a significant flow rate drop at the delivery location.<br>4. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| MANIFOLD SEQUENCE ERROR | INVALID |
| **Indicates** | Indicates the valves are not sequencing as intended. If shutdown is not initiated a product contamination will result. |
| **Response** | 1. Shut down facility.<br>2. Notify Field Personnel.<br>3. Notify CC Supervisor.<br>4. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| METER FACTOR NOT IMPLEMENTED | ACTIVE |
| **Indicates** | Indicates a meter factor not implemented from field. |
| **Response** | 1. Notify Field Personnel. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| **Description** | **Condition** |
| **METER FAILS/ FAULT** | **ACTIVE** |
| **Indicates** | Meter Fail alerts the controller that the meter has failed and is not working properly. It may become necessary to shutdown the pipeline. |
| **Response** | 1. Analyze and Verify.<br>2. Notify Field Location. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| **METER DIFF PRESSURE** | **ALERT** |
| **Indicates** | Under normal conditions the differential pressure may run up to 10 psi through the meter. A pressure greater than 10 psi should be considered abnormal. |
| **Response** | 1. If the alarm is on an incoming meter, switch the meter.<br>2. Notify the operator on call to see if alternative operations can be made.<br>3. If no alternate operations can reduce the pressure and the alarm is on an outgoing meter or on both incoming meters, shut the line down in accordance with the procedure outlined in 9.02-ADM-002 Startup and Shutdown.<br>4. If appropriate, notify the scheduler.<br>5. The line is able to be restarted with the approval of the local operator.<br>6. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| **MOP TIMER (All)** | **ACTIVE** |
| **Indicates** | Pressure is at or above MOP and timer has started. This is acceptable for transient conditions not to exceed 10 minutes. |
| **Response** | 1. Take pressure reducing actions which may include shutting down units if the alarm does not immediately clear. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| **MULTILIN PCM BATTERY** | **ACTIVE** |
| **Indicates** | Indicates batteries are failing in the Multilin. |
| **Response** | 1. Notify Field Personnel |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| **MULTILIN TRIP** | **ACTIVE** |
| **Indicates** | Indicates a shutdown caused by an electrical event exceeding local pre-set time parameters. SCADA may not update while this alarm is active. |
| **Response** | 1. Notify Field Personnel |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| **Description** | **Condition** |
| **PEAK LOCKOUT** | **LOCKOUT** |
| **Indicates** | A unit is unavailable during peak power demand periods. This alarm is associated with the Company's power optimization programs. |
| **Response** | 1. Shutdown unit if not already down and adjust line operation if necessary to account for unavailability of unit. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **PEAK ALERT** | **ACTIVE** |
| **Indicates** | Peak Alert Alarm needs to be activated on station screen. SCADA automatically replaces Peak Alert Notification Alarm with Peak Alert Alarm prior to start of peak period. |
| **Response** | 1. Shutdown units and adjust the line before peak period begin. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **PEDERNALES RIVER FLOW** | **HIGH** |
| **Indicates** | The flow of the Pedernales River has reached 5000 cfs. |
| **Response** | 1. Call Area Operations Supervisor.<br>2. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **PLDS** | **LOW** |
| **Indicates** | A system indication of a line integrity anomaly, requiring investigation. |
| **Response** | 1. Monitor all pressures and flow rates throughout the line for deviation and investigate line integrity via trends and event records.<br>a) If investigation indicates release, proceed to 9.02-ADM-011 Emergency – Code Red – Investigation Event.<br>b) If investigation does not indicate release, notify the Supervisor or Leak Detection Analyst (LDA). |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **(Power Company Name) Disconnect** | **ACTIVE** |
| **Indicates** | Indication that the (Power Company name) has disconnected power. |
| **Response** | 1. Verify Status of Test. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **POWER FAIL** | **ALARM** |
| **Indicates** | Power is lost for all or part of a facility. |
| **Response** | 1. Shut down units at the location if not already down.<br>2. Restart units when alarm clears and field has verified that it is safe to startup. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **POWER FAIL – 110 VOLT REAGAN STATION** | **ALARM** |
| **Indicates** | The RTU is powered from a Koch power supply and has been lost. Battery back-up power will initiate. When battery back-up power is lost, a communication fail will result. This location is equipped with a custody meter and must be shut down if a communication failure occurs. |
| **Response** | 1. Notify the location or person on call.<br>2. If communication fails (meter loss) is imminent, stop delivering into the station by switching out or shutting down the pipeline until power can be restored. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **POWER FAIL – 480 VOLT** | **ALARM** |
| **Indicates** | The valve actuators at Reagan Station are powered by 480 volt power supply from Koch. This alarm indicates a loss of this power supply which will not allow valve movement. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description 2** | **Condition** |
| **PRIMARY NETWORK MMP** | **WARNING** |
| **Response** | 1. Notify the Communications Analyst 24-hour support number on the Tech Support Overview. |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| | |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **PRESS HIGH/LOW** | **HIGH/LOW** |
| **Indicates** | A pressure is outside of set parameters. Flow and pressure parameters are set in order to monitor line integrity. |
| **Response** | 1. Review operations and determine a reason for the alarm.<br>2. Follow procedures in the Investigation Event section of 9.02-ADM-011 Emergency – Code Red – Investigation Event if investigation indicates a potential leak.<br>3. Acknowledge and reset parameters if the alarm is result of an unexpected change in operations.<br><br>**Note** : CRM Locations, Call Out Required |
| **Description** | **Condition** |
| **PRIMARY RTU ALARM** | **FAILURE** |
| **Indicates** | **Single Site:** Primary satellite communications has been interrupted. The last good values received before the communication failure occurred will remain on the screen. |
| **Response** | **For a Single Site**<br>1. Put un-updated sites that are in primary communication failure on alternate communication promptly (updated sites rollover automatically).<br>2. Notify STRATOS operations at 1-800-456-6826, even if alternate communications is available, and request that STRATOS trouble shoot the problem. Based on input from STRATOS determine if the issue needs to be resolved by the SCADA Support Group or field personnel and notify the appropriate group. Notification can be delayed until daylight hours.<br>3. Revert to procedures outlined in Alternate Modem RTU Alternate at the beginning of Priority 1 section if alternate communications is not available. |
| **Description** | **Condition** |
| **PRIMARY RTU ALARM** | **FAILURE** |
| **Indicates** | **Global Sites:** All or most locations can go into Primary communication failure. This usually occurs when there is a problem with some of the systems providing communication. When the system goes into primary communication failure (primary alarm), all the locations data on the SCADA screen is backlit blue. The last good values received before the communication failure occurred will remain on the screen. |
| **Response** | **For a Global Sites**<br>1. Put un-updated sites that are in primary communication failure on alternate communication promptly (updated sites rollover automatically). |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| | 2. Even if alternate communications is available, notify STRATOS operations at 1-800-456-6826 and request that STRATOS trouble shoot the problem. Based on input from STRATOS determine if the issue needs to be resolved by the SCADA Support Group or field personnel and notify the appropriate group.<br>3. Use Alternate Communication to establish communication at locations during a global communication failure.<br>4. If the global communication failure is not scheduled and it appears that communication will not be reestablished in a timely manner (not to exceed one hour) and global alternate communication is not functioning:<br>**Note**: In the event of disruption of data processing by the SCADA system Operations Control has the responsibility to review the current operations and determine with the input of support personnel the anticipated duration of the outage and take appropriate action. If work on the SCADA system or related data gathering facilities could potentially disrupt data flow and control functions Operations Control is authorized to terminate any and all operations to protect the system integrity.<br>a. Conduct two-way vocal communication with all manned locations to shutdown all of their pumps (except for lines controlled locally such as the airport lines at Kansas City and Rosemount).<br>b. Send personnel to stop units at originating locations that are unmanned. If SCADA is available from the data center utilize this system to shutdown all originating locations that are unmanned. Priority should be given to lines where operations will occur within 1 hour. Send personnel to intermediate locations to verify unit's shutdown.<br>c. Keep open all receive locations with lines operating before the SCADA failure to receive during the SCADA failure.<br>d. Notify the SCADA Support group or other appropriate support personnel.<br>e. Do not restart the lines until SCADA Support Group personnel have notified Operations Control that SCADA is operational and is stable or until Operations Control management has established safe guards and procedures for operating line segments when SCADA is not available.<br>f. Once SCADA has been reestablished and the pipeline is secure, repressure all previously operating lines that were shutdown without pressure during outage and monitor them for a minimum of 30 minutes before resuming operations.<br>5. Document in Logmate as an AOC. |

Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3

| Description | Condition |
|---|---|
| RED DYE INJECTION | ACTIVE |
| **Indicates** | The automated red dye injection additive pump has shut down. |
| **Response** | 1. Notify the on-call field operator to go out and turn the pump back on.<br>2. If the on-call operator is unable to be reached or get to the location within a short amount of time, the line must be shut down until such time that the pump can be turned back on.<br>3. Document in Logmate. |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| **RPM** | **HI-HI / LO-LO** |
| **Indicates** | The ALCO engine / VFD motor RPMs have exceeded maximum or at minimum. |
| **Response** | 1. Notify appropriate field personnel and take direction on further action if alarm does not clear automatically. |
| **Description** | **Condition** |
| **RPM** | **A/D FAIL** |
| **Indicates** | The ALCO engine / VFD motor RPMs have exceeded scaling limits. |
| **Response** | 1. Notify appropriate field personnel and take direction on further action if alarm does not clear. |
| **Description** | **Condition** |
| **SLAVE RTU's AND RTU NO REPLIES** | **FAIL** |
| **Indicates** | Slave RTU's are remote RTU's or PLC's with significant remote processing that passes all data through a local master RTU. This point tells the controller that the remote device is not responding to the Master RTU. These should be a five-minute time delay assigned to this point. |
| **Response** | 1. Notify Area Technician<br>2. Notify CC Supervisor for further instructions |
| **SPLITTER VALVE FAILURE** | **FAIL** |
| **Indicates** | A simultaneous continued opening of the gasoline and fuel oil headers on a manifold during a product change. This could lead to a contamination event. |
| **Response** | 1. If the line segment is down, attempt to re-sequence the valves to correct the situation.<br>2. If the line segment is running, perform a Normal Shutdown per 9.02-ADM-002 Startup and Shutdown.<br>3. Call out field personnel to investigate.<br>a. If repaired, the line segment can be returned to service when the field has given their approval.<br>b. If not repaired, a workaround plan should be put in place and approved by the Field and Operations Control management before the line is returned to service.<br>4. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| **Description** | **Condition** |
| STRAINER / FILTER DIFF PSI | HIGH |
| **Indicates** | Usually an indication of a dirty filter or strainer. |
| **Response** | 1. Notify Field Personnel |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| SUMP EXCESS RUN TIME | ACTIVE |
| **Indicates** | The sump pump has been on longer than it should have to pump the sump clear of product / water. This could be an indication of product continuously leaking into the sump. |
| **Response** | 1. If the location is manned then notify the appropriate field personnel immediately. If the alarm can be cleared within 10 minutes or verified by them to be a false alarm, the location can continue to run.<br>2. If the location is unmanned, perform a Code Red Shutdown of all affected mainlines per 9.02-ADM-002 Startup and Shutdown.<br>3. If possible, isolate the location from mainline operations.<br>4. Immediately notify the on-call person for the field.<br>5. Obtain field approval to restart the line once the alarm has been cleared.<br>6. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| SUMP- INNER WALL FAILURE | ACTIVE |
| **Indicates** | This type of sump has a double wall. The alarm is sensing product in between the two walls. This may indicate a release through the primary containment wall. |
| **Response** | 1. Notify the appropriate field personnel immediately.<br>2. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| **Description** | **Condition** |
| SUMP LEVEL – ANALOG | HI-HI |
| **Indicates** | The level in the sump has reached a threshold alarm that is set in SCADA, generally just below the discrete High-High Alarm. This level can be read in gallons, feet or inches. |
| **Response** | 1. If the location is manned then notify the appropriate field personnel immediately. If the alarm can be cleared within 10 minutes or verified by them to be a false alarm, the location can continue to run.<br>2. If the location is unmanned, perform a Code Red Shutdown of all affected mainlines per 9.02-ADM-002 Startup and Shutdown.<br>3. If possible, isolate the location from mainline operations.<br>4. Immediately notify the on-call person for the field.<br>5. Obtain field approval to restart the line once the alarm has been cleared.<br>6. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| SUMP RATE OF CHANGE<br>LONGHORN PIPELINE ONLY | ACTIVE |
| **Indicates** | The product level increased more than 20 gallons over a rolling 10 minute period. |
| **Response** | 1. Notify the appropriate field personnel immediately.<br>2. The station does not have to be isolated and the line does not have to be shutdown. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| *LOC*.*TANK #*.TANK | HI – LEVEL |
| **Indicates** | A high level condition which is above normal top but below the discreet Hi-Hi level tank alarm. This alarm is generated by SCADA and is not the same as a HIGH HIGH alarm, which is activated by a discreet switch on the tank. |
| **Response** | 1. If the alarm is the expected result of a deliberate manned operation stop the operation prior to receiving a discreet HIGH HIGH Alarm. As soon as possible, it is mandatory to remove product at this point to clear the alarm condition.<br>2. If the alarm is not the expected result of a deliberate manned operation:<br>a. Shutdown all lines coming into the station or location.<br>b. Notify the appropriate field personnel immediately.<br>c. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| **Description** | **Condition** |
| TANK HIGH<br>TANK HIGH PRESSURE<br>% HEIGHT | HIGH.PAR<br>LOW.PAR<br>HIGH |
| **Indicates** | Tank level outside of set parameters. Used as a reminder when operations need to be switched. |
| **Response** | 1. Review operations and determine a reason for the alarm.<br>2. Reset parameter and take further appropriate action if the alarm is an expected result of an operation. |
| | Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 |
| **Description** | **Condition** |
| TANK | NORM-BOT |
| **Indicates** | Tank level below normal bottom as set by SCADA software. |
| **Response** | 1. Shutdown the pumping operation to avoid pulling product below the roof level and to avoid vapor-locking pumps if the alarm is the result of pumping operation, unless it is a planned emptying of the tank. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| TANK | NORM-TOP |
| **Indicates** | Tank level above normal top as set by SCADA software. |
| **Response** | 1. Switch tanks or shutdown the receive operation to avoid overfilling the tank.<br>2. If the alarm is the expected result of a deliberate manned operation stop the operation prior to receiving a discreet HIGH HIGH Alarm.<br>3. This alarm may remain active in SCADA. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| **Description** | **Condition** |
| **TANK GAUGE FAIL** | **ACTIVE** |
| **Indicates** | Tank level gauge inoperable |
| **Response** | 1. Immediately stop delivery to tank.<br>2. Notify local technician.<br>3. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **TANK IDLEDEV** | **ACTIVE** |
| **Indicates** | An inactive tank's net product volume has changed beyond a threshold level. This threshold varies with tank diameter. This alarm is a possible indicator of a tank leak, tank gravitation from another tank or equipment malfunction. |
| **Response** | 1. If the alarm was not controller initiated, notify field personnel immediately to investigate the cause of the alarm.<br>2. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **TANK SWITCH FAILURE** | **ACTIVE** |
| **Indicates** | Tank level gauge inoperable |
| **Response** | 1. Immediately stop delivery to tank and notify local technician<br>2. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **TEMP** | **HI-HI** |
| **Indicates** | A high meter temperature. Meter data is suspect. |
| **Response** | 1. Notify person on call or the location for custody meter.<br>2. Shutdown line until the problem is corrected.<br>3. Continue operations for supervisory meters as long as backup measurement is available or until the situation is corrected.<br>4. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| **Description** | **Condition** |
| TEMP (ALL TYPES OF DEVICES) | HIGHHIGH or LOW LOW |
| **Indicates** | Indicates (device name) temperature is at or near a critical level and may cause a shutdown. |
| **Response** | 1. Analyze, if necessary take corrective action.<br>2. Document in Logmate. Identify if equipment malfunction. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

| **Description** | **Condition** |
|---|---|
| TERMINAL BALANCE LOW OR HI | LO / HI |
| **Indicates** | Indicates the possibility of faulty gauging or metering equipment, and the possibility of a terminal release. |
| **Response** | 1. Investigate and take corrective action.<br>2. Notify field if needed.<br>3. Document in Logmate |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

| **Description** | **Condition** |
|---|---|
| TMIX TIMEOUT - *LOC* | ZERO ALARM |
| **Indicates** | A prolonged period of time delivering into a Trans-mix Tank during a batch change. This alarm is expected if delivering a Trans-mix Batch. |
| **Response** | 1. Take immediate action to switch out of the trans-mix tank and into the proper tank.<br>2. Notify the Operations Control Supervisor<br>3. Determine the need to fill out a Product Quality Report with the Ops Control Supervisor.<br>4. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

| **Description** | **Condition** |
|---|---|
| UPS FAILURE | FAIL |
| **Indicates** | DC voltage is very low because it is no longer being charged. When the battery is discharged, the RTU will fail and go into a NO REPLY condition. |
| **Response** | 1. Notify Field Personnel.<br>2. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT | |
|---|---|
| | |
| **Description** | **Condition** |
| VAPOR SYSTEM FAIL | FAIL |
| **Indicates** | Truck rack vapor recovery or vapor combustor system is not functioning properly. Often, air permits require that rack loading be discontinued when the vapor system is not working. Controllers do not have capabilities to shut down rack operations. |
| **Response** | 1. Notify appropriate field personnel immediately. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| Valve % OPEN HI AND LO | LO / HI |
| **Indicates** | Indicates the Controller set parameter for valve position in a range of 0-100% is outside of setting. Controller to take action if needed after reviewing trend data. |
| **Response** | 1. Analyze and take corrective action. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |

| **Description** | **Condition** |
|---|---|
| VFD SYSTEM ALARM | ACTIVE |
| **Indicates** | That there is an issue with the VFD system. This is a precursor to a VFD lockout. |
| **Response** | 1. Shutdown the VFD if possible by switching to main power via the unit bypass. If this is not available shut down the pipeline using a normal shutdown.<br>2. Notify the appropriate on-call personnel to investigate.<br>3. Document in Logmate the reason for the failure. |
| | |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |

| **Description** | **Condition** |
|---|---|
| WWTER OR H2O (Wet OIL OR GAS)<br>OR<br>(EQUIPMENT) WATER DEFECT | ACTIVE |
| **Indicates** | Water Monitor Alerts are an indication that the Water Content of the crude or product stream has exceeded a predetermined level. These alerts may or may not be an indication of trouble that requires immediate action. Controller reaction will be based on training and procedures. |
| **Response** | 1. Notify Field Personnel/Connecting Carriers. |

# Alarm Alert Notice Response Table

| PRIORITY 2 – ALERT |
|---|
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 |

| ALARM TABLE NAVIGATOR | | | |
|---|---|---|---|
| **Description** | **Condition** | **Console** | **Link** |
| **PRIORITY 3 – NOTICE** | | | |
| ACTIVE (DEVICE) | ACTIVE | ALL | ACTIVE_INACTIVE_DEVICE_3 |
| AIR CONDITIONER FAILURE | FAIL | ALL | AIR CONDITIONER FAIL |
| INACTIVE (DEVICE) | INACTIVE | ALL | ACTIVE_INACTIVE_DEVICE_3 |
| (All Products) Batch | ACTIVE | ALL | ALL_PRODUCTS_BATCH_3 |
| ANTI-STATIC | ACTIVE | ALL | ANTI_STAT_ACTIVE_3 |
| BATTERY CHARGE FAIL | FAIL | ALL | BATTERY_CHARGE_FAIL_3 |
| CORR INHIBIT PUMP | STOP | ALL | CORR_INHIBIT_PUMP_3 |
| CORR ADDITIVE ALARM | ACTIVE | ALL | CORR_ADDITIVE_ALARM_3 |
| CONTROL VALVE % OPEN | ANY | ALL | Control Valve |
| DOWNLOAD | OFF | ALL | DOWNOAD_OFF_3 |
| DOWNLOAD | ON | ALL | DOWNOAD_ON_3 |
| DRA AGITATOR | ACTIVE | ALL | DRA_AGITATOR_ACTIVE_3 |
| DRA LOW NITROGEN | WARNING | ALL | DRA_LOW_NITROGEN_3 |
| DRA INVENTORY LEVEL | WARNING | ALL | DRA_INVENTORY_LEVEL_3 |
| ENABLE | ACTIVE | ALL | ENABLE_ACTIVE_3 |
| DISABLE | ACTIVE | ALL | DISABLE_ACTIVE_3 |
| END OF BATCH EOB | ACTIVE | ALL | END_OF_BATCH_EOB_3 |
| ENTER BT DATA INTO MAGIC | ACTIVE | ALL | ENTER_BT_DATA_INTO_MAGIC_3 |
| FIRE SYSTEM FAULT | ACTIVE | ALL | FIRE_SYSTEM_FAULT_3 |
| GLENPOOL CONTROL VALVE LOW PSI | ACTIVE | 4 | GLENPOOL_CONTROL_VALVE_LOW_PSI |
| IFD | PRE-HIGH | 5 AND 6 ONLY | IFD_PREHIGH_3 |
| IFD | PRE-LOW | 5 AND 6 ONLY | IFD_PRELOW_3 |

# Alarm Alert Notice Response Table

| ALARM TABLE NAVIGATOR | | | |
|---|---|---|---|
| **Description** | **Condition** | **Console** | **Link** |
| **PRIORITY 3 – NOTICE** | | | |
| LEAK DETECTION | SLACK | ALL | LEAK_DETECTION_SLACK |
| LPG GRAVITY HIGH | ACTIVE | 4 AND & | LPG_GRAVITY_HIGH |
| METER PRINT | ACTIVE | ALL | METER_PRINT_3 |
| METER PROVE (ALL) | ACTIVE | ALL | METER_PROVE_ALL_3 |
| MTR COUNTDOWN | ZERO ALARM | ALL | MTR_COUNTDOWN_3 |
| NO FLOW | ACTIVE | ALL | NO_FLOW_3 |
| PEDERNALES RIVER FLOW | OLD DATA | LONGHORN ONLY | PEDERNALES RIVER Data Old |
| PIG BY STATION | ACTIVE | ALL | PIG_BY_STATION_3 |
| PIG IN STATION | ACTIVE | ALL | PIG_IN_STATION |
| PIG READY FOR LAUNCH | ACTIVE | ALL | PIG READY FOR LAUNCH |
| PRESSURE RECYCLE VALVE | ACTIVE | CUSHING-OSAGE, EL DORADO WEST | PRESSURE_RECYCLY_VALVE_3 |
| PRIMARY & BACKUP DC FAIL | FAIL | ALL | PRIMARY & BACKUP DC FAIL |
| PRODUCT CODE SELECT | INVALID | ALL | PRODUCT_CODE_SLECT_3 |
| PROVE ABORT | ABORT | ALL | PROVE_ABORT |
| ROC (PLUS/MINUS ROC) INDIV. | ROC +/- | ALL | ROC_PLUS_MINUS |
| SCRAPER ARRIVAL/DEPARTURE/PASS | ACTIVE | ALL | SCRAPER_ARRIVAL_DEPARTURE_PASS_3 |
| S/PT (Any) | ANY | ALL | S_PT |
| STATION MANNED | ACTIVE | ALL | STATION_MANNED_3 |
| SUMMATION ALERT | ACTIVE | ALL | SUMMATION_ALERT_3 |
| TANK TAS.LINK | FAILURE | ALL | TANK_TAS_LINK_FAILURE_3 |
| TANK TAS.TRANSFER | FAIL | ALL | TANK_TAS_XFER_3 |
| TEMP | HIGH | ALL | TEMP_HIGH_3 |
| TEMP | LOW | ALL | TEMP_LOW_3 |
| TEMP | A/D-FAIL | ALL | TEMP_AD_FAIL_3 |
| TEMP | ROC- | ALL | TEMP_ROC_MINUS_3 |

# Alarm Alert Notice Response Table

| ALARM TABLE NAVIGATOR | | | |
|---|---|---|---|
| **Description** | **Condition** | **Console** | **Link** |
| **PRIORITY 3 – NOTICE** | | | |
| TEMP | ROC+ | ALL | TEMP_ROC_PLUS_3 |
| THROTTLE PRESSURE | HIGH | ALL | THROTTLE_PRESSURE_3 |
| UPS UNIT FAIL | ALARM | ALL | UPS UNIT FAIL |
| VALVE OR UNIT (ALL) OR (EQUIPMENT) STATUS | ACTIVE | ALL | VALVE_UNIT_EQUIPMENT_STATUS_3 |

| PRIORITY 3 – NOTICE | |
|---|---|
| **Description** | **Condition** |
| **ACTIVE/INACTIVE (DEVICE)** | **ACTIVE/INACTIVE** |
| **Indicates** | Active/Inactive status points indicate that a device or process is actively part of the operation or is inactive. Some points change status when a controller clicks a particular "poke point" others change automatically or when a lineup changes. (See also "Point A to Point B lineup") |
| **Response** | 1. Verify Status. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **AIR CONDITIONER FAILURE** | **FAIL** |
| **Indicates** | This input indicates that the enclosure's air conditioning system has failed. The indication is driven from a diagnostics board on the air conditioning system on the enclosure. The air conditioning system has a diagnostics board with a set of dry contacts on it. Any time the air conditioning system detects a system failure the contacts send the alarm to the PLC input. |
| **Response** | 1. Analyze and Verify.<br>2. Notify Field Support |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **(ALL PRODUCTS) Batch** | **ACTIVE** |
| **Indicates** | Indicates the (Product name) Batch is Active. |
| **Response** | 1. Verify Status. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| **ANTI-STATIC** | **ACTIVE** |
| **Indicates** | A malfunction in the anti-static additive injection equipment. This additive is injected into all fuel |

# Alarm Alert Notice Response Table

| PRIORITY 3 – NOTICE | |
|---|---|
| | oil with the exception of J8 and Q grade. |
| **Response** | 1. Notify the appropriate field personnel. This can be delayed until manned hours at the Controller's discretion.<br>2. Track the batch of untreated product and report to downstream receive location and Quality Control Group. This can be delayed until manned hours at the Controller's discretion. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| BATTERY CHARGE FAIL | FAIL |
| **Longhorn Pipeline Alarm – Odessa Only** | |
| **Indicates** | The battery charger is not working properly. |
| **Response** | 1. Notify the technician during daylight hours only. Does not impact operations. |
| **Description** | **Condition** |
| CORR INHIBIT PUMP | STOP |
| CORR ADDITIVE ALARM | ACTIVE |
| **Indicates** | A malfunction in the anti-corrosive additive injection equipment. This additive is injected into all products with the exception of J8 and Q grade. |
| **Response** | 1. Notify the appropriate field personnel. This can be delayed until manned hours at the Controller's discretion.<br>2. Track the batch of untreated product and report to downstream receive location and Quality Control Group. This can be delayed until manned hours at the Controller's discretion. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

# Alarm Alert Notice Response Table

| PRIORITY 3 – NOTICE | |
|---|---|
| **Description** | **Condition** |
| DOWNLOAD | OFF |
| DOWNLOAD | ON |
| **Indicates** | An attempt was made to reset an RTU while communication to that RTU is unavailable. |
| **Response** | 1. Wait until communications is restored before resetting RTU. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| DRA AGITATOR | ACTIVE |
| **Indicates** | Indicates the agitator on the DRA tank has become inoperable. |
| **Response** | 1. Notify the appropriate field personnel. This can be delayed until manned hours at the Controller's discretion. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| DRA LOW NITROGEN | WARNING |
| DRA INVENTORY LEVEL | WARNING |
| **Indicates** | Low Inventory, Sparing Fail, Low Nitrogen Tank, or Air Compressor Fail. Alarm will be displayed in SCADA with the specific alarm type. |
| **Response** | 1. Notify appropriate field personnel. This can be delayed until manned hours at the Controller's discretion. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| ENABLE/DISABLE | ACTIVE |
| **Indicates** | Enabled/Disabled status points indicate that a device or process is available and authorized to be utilized. |
| **Response** | 1. Analyze and verify. |

# Alarm Alert Notice Response Table

| PRIORITY 3 – NOTICE | |
|---|---|
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| END OF BATCH E.O.B. | ACTIVE |
| **Indicates** | A batch was ended on a particular meter |
| **Response** | 1. Analyze and verify. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| ENTER BT DATA INTO MAGIC | ACTIVE |
| **Indicates** | Batch Tracking data should be sent to MAGIC to populate the line fills. |
| **Response** | 1. Acknowledge at the console branch display.<br>2. Push the BT data to MAGIC.<br>3. Click on COMPLETE and NOTICE will clear from alarm stack. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| FIRE SYSTEM FAULT | ACTIVE |
| **Indicates** | The fire detection self checking system is not working. System will still generate a fire alarm. |
| **Response** | 1. Notify the appropriate field personnel. This can be delayed until manned hours at the Controller's discretion.<br>2. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| CONTROL VALVE % OPEN | HIGH OR HIGHHIGH<br>LOW OR LOW-LOW |
| **Indicates** | Indicates Position of Control Valve. A High High or Low Low may Alarm if analog value or set point values entered are outside normal range. |
| **Response** | 1. Notify the appropriate field personnel during manned hours.<br>2. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

# Alarm Alert Notice Response Table

| PRIORITY 3 – NOTICE | |
|---|---|
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| IFD | PRE-HIGH |
| IFD | PRE-LOW |
| Console 5 and 6 Only | |
| **Indicates** | The product gravity is outside the set parameters. It is used to detect a product change. |
| **Response** | 1. Review operations and determine a reason for the alarm.<br>2. Reset the parameters when the product gravity levels out (when appropriate) if the alarm is a result of an expected change in product.<br>3. Notify the appropriate field personnel if a defective instrument caused the alarm. This can be done on manned hours within the Controller's discretion.<br>4. Notify the appropriate field personnel so they may take appropriate measures (e.g. check product gravity) if the alarm is an unexpected occurrence (product spike, contamination).<br>5. Document in Logmate. Identify if the alarm is due to a malfunction. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| LEAK DETECTION | SLACK |
| **Indicates** | A vapor pocket in the pipeline caused by line pressure being lower than required to maintain product in a liquid state. |
| **Response** | 1. Analyze and take corrective action to increase pressure. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| LPG GRAVITY HIGH | ACTIVE |
| **Indicates** | The back-pressure set point at the Carthage cavern needs to be increased in anticipation of arriving LPG batch. |
| **Response** | 1. Check set point and increase as necessary. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |
| **Description** | **Condition** |
| METER PRINT | ACTIVE |
| **Indicates** | Meter Print status is an indication that a command has been issued, either by the Control Center or locally, to generate a meter ticket and batch change. Meter Prints are normally reset by the PLC after a time delay of usually 1-3 minutes. |
| **Response** | 1. Analyze and Verify. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY 1, PRIORITY 2 or PRIORITY 3 | |

# Alarm Alert Notice Response Table

| PRIORITY 3 – NOTICE | |
|---|---|
| **Description** | **Condition** |
| METER PROVE (ALL) | ACTIVE |
| **Indicates** | Meter Prove Notices are normally a series of points that document the progress of each proving. Meter proving is rarely initiated by the Control Center, but there may be a few exceptions. However, it can be very important to the CPM or leak detection schemes that the Control Center has status available to indicate when proving valves change states. |
| **Response** | 1. Insure Sequence Complete, if necessary take corrective action. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| MTR COUNTDOWN | ZERO ALM |
| **Indicates** | A controller-set countdown alarm has reached its parameter setting. This alarm is set for various operational purposes which could include an indication that the pump or receive batch is complete. |
| **Response** | 1. Investigate the alarm and reset if appropriate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| NO FLOW | ACTIVE |
| **Indicates** | Indicates that a pump is running and no counts are being received from the meter. |
| **Response** | 1. Analyze and take corrective action.<br>2. Contact field if assistance is needed. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| PEDERNALES RIVER FLOW | OLD DATA |
| **Indicates** | The Pedernales Flow rate is monitored on the SCADA system. It pulls flow rate information from a website. If this website is down, an OLD DATA alarm is generated in SCADA. |
| **Response** | 1. Access alternate website USGS Real-Time Water Data for USGS 08153500 Pedernales River near Johnson City, TX .<br>2. Manually record the flow rate once per hour in the Pedernales River Monitoring spreadsheet in E-Log. If the alternate website is not updating notify field Area Supervisor and Operations Control Supervisor for further guidance.<br>3. During normal business call LRCA (1.800.776.5272) to report the problem.<br>4. Document the Pedernales River Flow Alarm in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

# Alarm Alert Notice Response Table

| PRIORITY 3 – NOTICE | |
|---|---|
| **Description** | **Condition** |
| **PIG READY FOR LAUNCH** | **ACTIVE** |
| **Indicates** | A pig is in the launcher and can be launched by operations control when it is scheduled to be launched. |
| **Response** | 1. Verify with the location or the appropriate on-call person.<br>2. Note on the Turnover Sheet. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

| **Description** | **Condition** |
|---|---|
| **PIG BY STATION**<br>**PIG IN STATION** | **ACTIVE** |
| **Indicates** | A pipeline cleaning tool (PIG) has passed a station. |
| **Response** | 1. Verify pig in batch Tracking.<br>2. Edit pig position in Batch Tracking.<br>3. Notify field if appropriate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

| **Description** | **Condition** |
|---|---|
| **PRESSURE RECYCLE VALVE**<br>**Cushing-Osage, El Dorado West** | **ACTIVE** |
| **Indicates** | Under normal operating conditions this control valve may operate to prevent overpressure of the piping. |
| **Response** | 1. Review and adjust the operation to clear the alarm.<br>2. If unable to clear the alarm within ten minutes, shut down the pipeline and notify the on-call field operator to investigate.<br>3. Document in Logmate. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |

| **Description** | **Condition** |
|---|---|
| **PRIMARY & BACKUP DC FAIL** | **FAIL** |
| **Indicates** | This is an indication that both the Primary and Backup power supply have failed. Each 24 volt power supply has a set of dry contacts that indicate a failure. The primary and backup power supply failure contacts are wired in series, requiring both power supplies to fail before the PLC to receive the alarm. |
| **Response** | 1. Analyze and Verify.<br>2. Notify Field Support |

# Alarm Alert Notice Response Table

| PRIORITY 3 – NOTICE | |
|---|---|
| **Description** | **Condition** |
| PRODUCT CODE SELECT | INVALID |
| **Indicates** | Indicates that proper code needs to be selected or wrong product code is entered. |
| **Response** | 1. Select proper product code. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| PROVE ABORT | ABORT |
| **Indicates** | Prove was ended without generating a new factor. This could be a result of a problem with the proving run or could be the result of a manual abort. |
| **Response** | 1. Attempt to reprove or have the field reprove.<br>2. Call the technician to investigate if the second prove attempt fails.<br>a. The line needs to be shutdown if the meter is a custody meter and it is out of tolerance.<br>3. If reprove fails and the meter is not a custody transfer meter then the line can remain running utilizing backup measurement. Refer to the Line Monitoring Procedure. Notify the appropriate personnel during daylight hours. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| ROC (PLUS/MINUS ROC) | ROC +/- |
| **Indicates** | Indicates a possible release or transient condition, Controller response will be guided by procedures and training. |
| **Response** | 1. Analyze and take corrective action. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |
| **Description** | **Condition** |
| SCRAPER ARRIVAL/DEPARTURE/PASS | ACTIVE |
| **Indicates** | Scraper notices are an indication of the normal operation of scrapers at any facilities. These points are normally reset by the PLC after a time delay of usually 1-3 minutes. |
| **Response** | 1. Analyze and Verify.<br>2. Document on Handover Sheet. |
| Return to ALARM TABLE NAVIGATOR – PRIORITY_1, PRIORITY_2 or PRIORITY_3 | |